

WHAT IS CLAIMED IS:

Sub art 1
1. A intervertebral support system, comprising:
a center portion having top and bottom recesses;
a top portion having a bottom recess, the bottom recess in the top portion interlocking with the top recess in the center portion when the top position is positioned on top of the center portion; and
a bottom portion having a top recess, the top recess in the bottom position interlocking with the bottom recess in the center portion when the center portion is positioned on top of the bottom portion.

2. The intervertebral support system of claim 1, wherein the top and bottom recesses in the center portion are generally centrally located mid-way along the length of the center portion.

3. The intervertebral support system of claim 1, wherein the bottom recess in the top portion and the top recess in the bottom portion are generally centrally located mid-way along the length of the respective top and bottom portions.

4. The intervertebral support system of claim 1, wherein one end of the center portion is tapered downwardly from a top surface and upwardly from a bottom surface.

5. The intervertebral support system of claim 1, wherein each of the top, center and bottom portions have side grooves extending along opposite sides thereof, the side grooves each being adapted to receive a prong of a positioning tool therein.

6. The intervertebral support system of claim 1,
wherein the center portion has a generally flat top surface and a generally flat bottom surface, and
wherein the top portion has a generally flat top surface, and
wherein the bottom portion has a generally flat bottom surface;
wherein the top surfaces in the center portion and the top portion are generally co-planar when the top portion is positioned on top of the center portion, and
wherein the bottom surfaces of the center portion and bottom portion are generally co-planar when the bottom portion is positioned under the center portion.

1 16. The intervertebral support system of claim 1, wherein the top,
2 center and bottom portions are made from metal.

1 17. A method of supporting adjacent vertebrae, by assembling an
2 intervertebral support assembly between adjacent vertebrae, comprising:

3 advancing a bottom portion having a top recess into a patient's
4 intervertebral space;

5 advancing a center portion having top and bottom recesses into the
6 patient's intervertebral space; and

7 advancing a top portion into the patient's intervertebral space;

8 wherein the top portion has a bottom recess which interlocks with
9 the top recess in the center portion, and the bottom portion has a top recess which
10 interlocks with the bottom recess in the center portion such that a top surface of the top
11 portion is generally coplanar with the top surface of the center portion, and such that a
12 bottom surface of the bottom portion is generally coplanar with the bottom surface of the
13 center portion.

1 18. The method of claim 17, wherein the bottom portion and the top
2 portion are advanced in a first posterolateral approach and the center portion is advanced
3 in a second posterolateral approach, wherein the first posterolateral approach is generally
4 perpendicular to the second posterolateral approach.

1 19. The method of claim 17, wherein the intervertebral support
2 assembly has an X-shape.

1 20. The method of claim 17, wherein each of the top, center and
2 bottom portions are advanced into the patient's intervertebral space through minimally
3 invasive surgical procedures.

1 21. The method of claim 20, wherein the surgical cannulae have an
2 interior diameter not exceeding 8 mm.

1 22. The method of claim 20, wherein the surgical cannulae have an
2 interior diameter not exceeding 6 mm.

Page 11 of 11

1 23. The method of claim 17, wherein each of the top, center and
2 bottom portions are individually supported by a surgical tool having two prongs, and
3 wherein each of the top, center and bottom portions has side grooves dimensioned to
4 receive one of the two prongs therein.

1 24. The method of claim 17, wherein positioning each of the top,
2 center and bottom portions in the patient's intervertebral space assists in prying apart
3 adjacent vertebrae.

1 25. The method of claim 17, wherein positioning any of the top, center
2 and bottom portions comprises:
3 advancing a tapered end of the portion over a ramp surface on an
4 adjacent portion, the ramp surface on the adjacent portion being disposed within a recess
5 on the adjacent portion, wherein a corresponding recess on the portion interlocks with the
6 recess on the adjacent portion.

1 / 26. An intervertebral support system, comprising:
2 a bottom portion having a top recess; and
3 a top portion having a bottom recess, wherein the top and bottom recesses
4 interlock together when the top portion is positioned on top of the bottom portion.

1 / 27. A method of supporting adjacent vertebrae by assembling an
2 intervertebral support assembly between adjacent vertebrae, comprising:
3 advancing a bottom portion having a top recess into a patient's intervertebral
4 space; and
5 advancing a top portion having a bottom recess into a patient's intervertebral
6 space,
7 wherein the top recess on the bottom portion interlocks with the bottom recess
8 on the top portion such that a top surface on the bottom portion is generally coplanar with a
9 top surface top portion, and such that a bottom surface on the bottom portion is generally
10 coplanar with a bottom portion on the top portion.